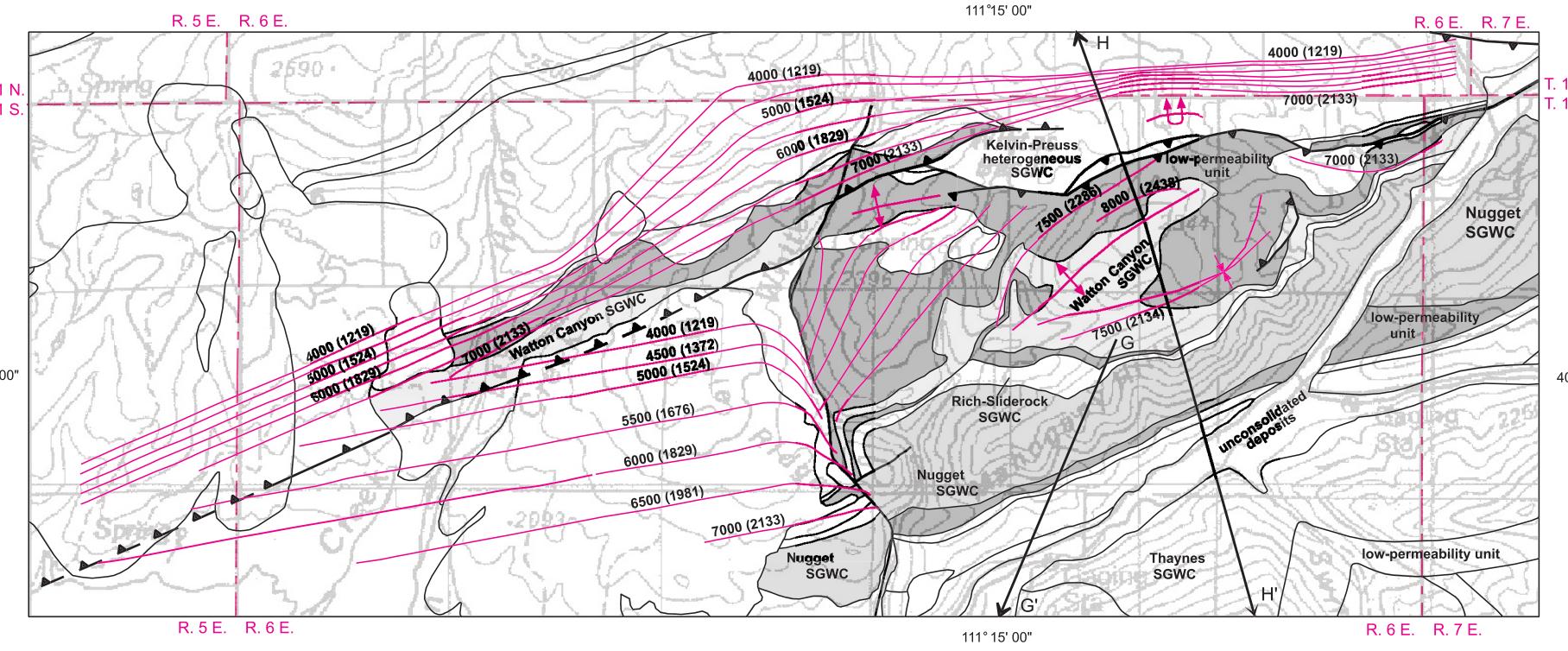
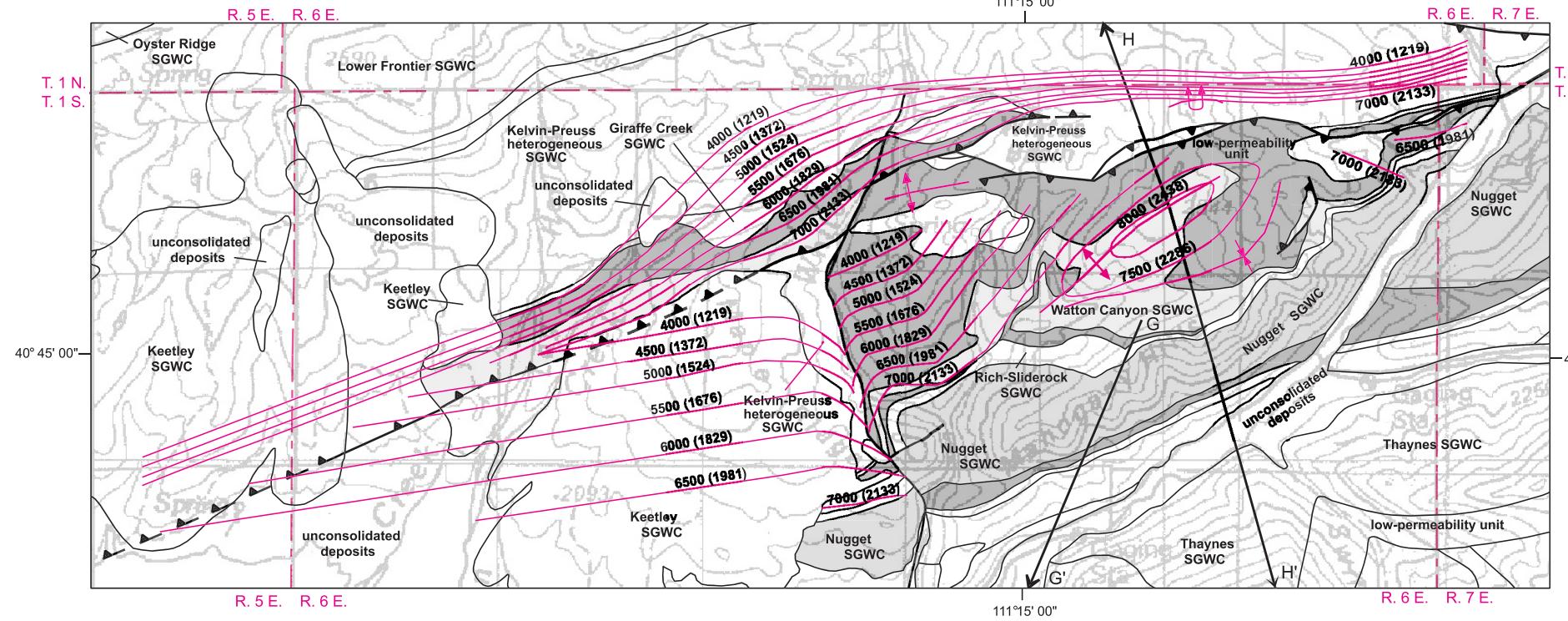


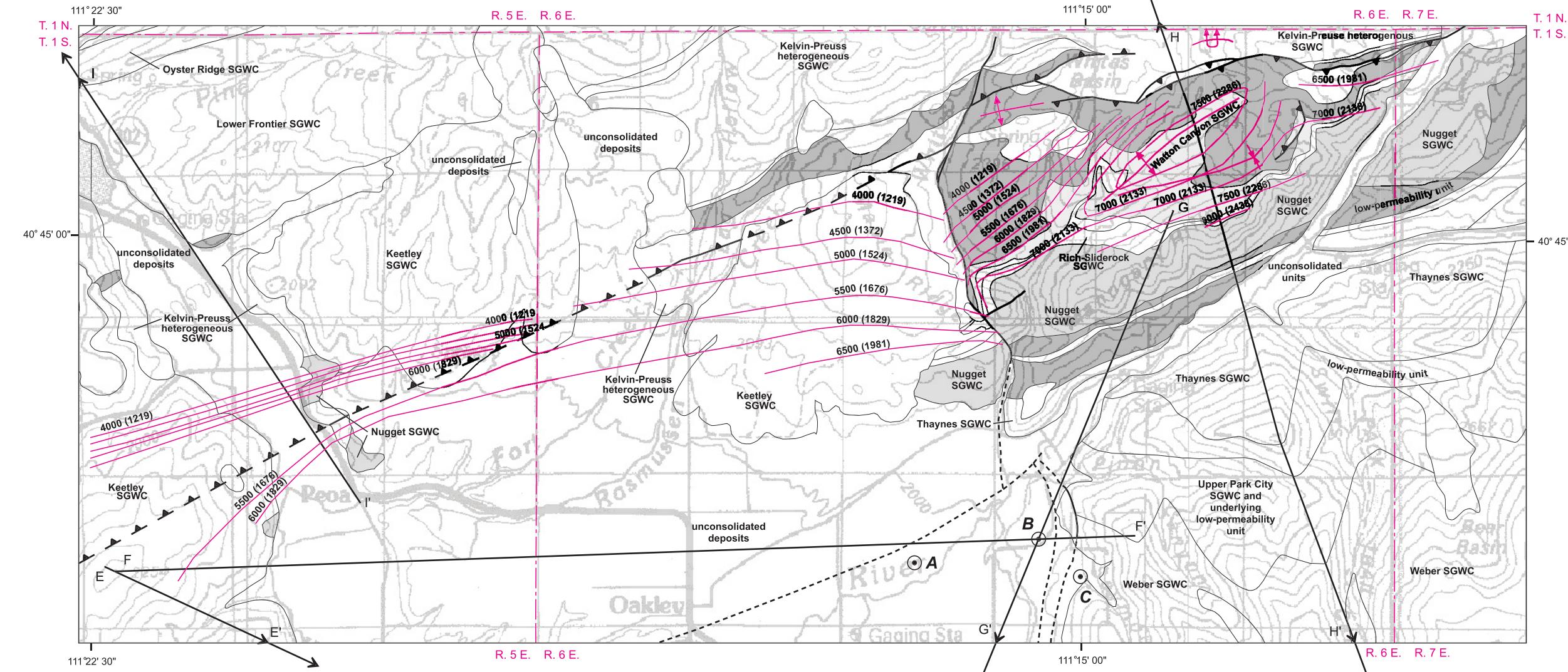
A. Top of Watton Canyon Stratigraphic Ground-Water Compartment



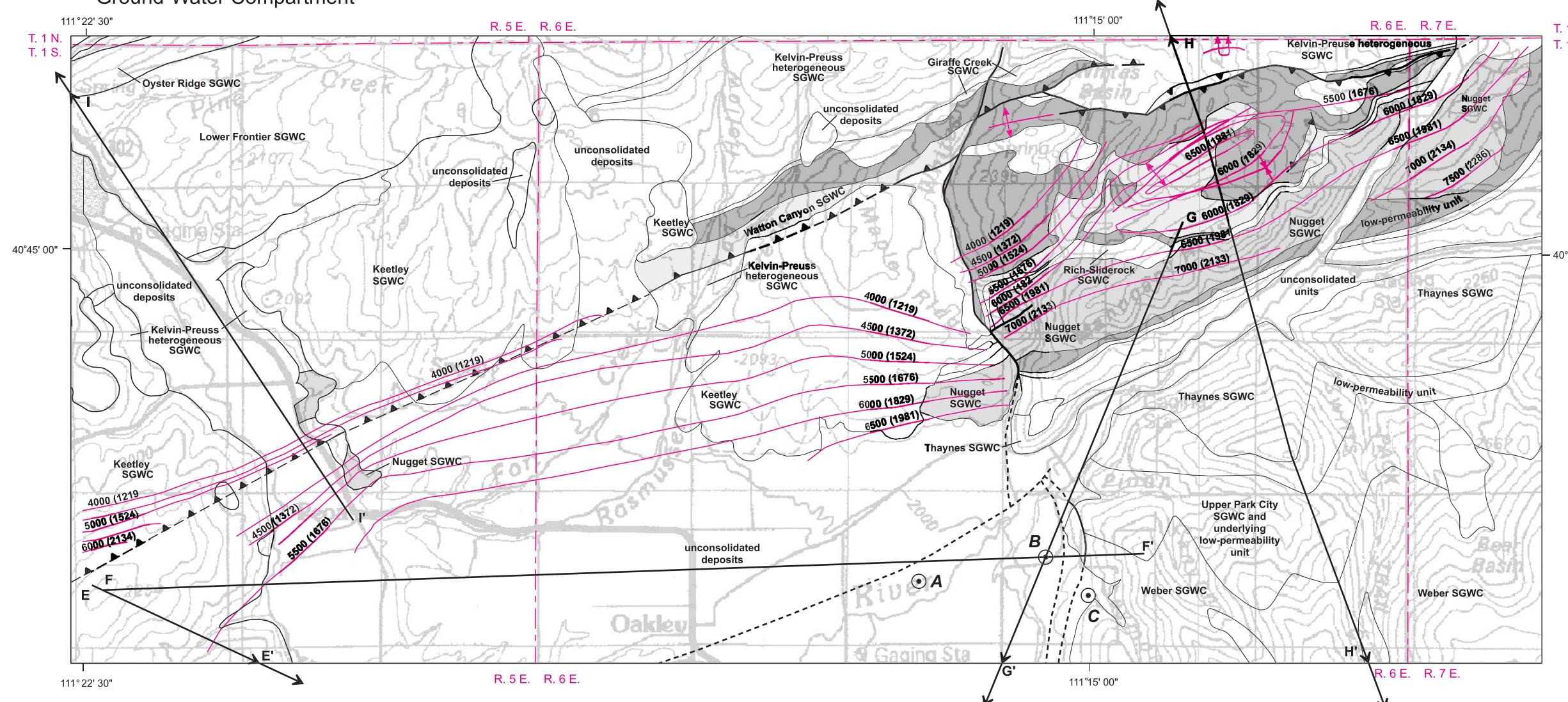
B. Base of Watton Canyon Stratigraphic Ground-Water Compartment



C. Top of Nugget Stratigraphic Ground-Water Compartment



D. Base of Nugget Stratigraphic Ground-Water Compartment



Utah Geological Survey
Water Resource Bulletin 29
Plate 5 A, B, C, D
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Structure-Contour Maps of Selected Stratigraphic Ground-Water Compartments,
Kamas Valley and Western Uinta Mountains, Summit County, Utah

Compiled by H. A. Hurlow

These structure-contour maps are based on projection of surface data (plate 1), and incorporate limited subsurface data (appendix A).

These diagrams represent the author's best estimate of subsurface relations, but should not be regarded as exact. Future subsurface data may either confirm or indicate revision of these structure-contour maps.

The depth from the land surface to the top or base of a SGWC at a particular location is the difference between the surface elevation at the point of interest and the elevation of the top or base of the SGWC. The vertical thickness of the SGWC is the difference between the elevations of its top and base at a particular point. Elevations of SGWC surfaces between contour lines can be obtained by linear interpolation between the closest two contour lines.



Contour interval 500 feet (152 m)

1 0 1 2 3 Miles
3 0 3 Kilometers

EXPLANATION

Contact

Faults: dashed where approximate, dotted where concealed.

Thrust: sawteeth on upper plate.

Normal: bar and ball on downthrown side.

Folds

Anticline

Overted anticline

Syncline

Cross section (see plate 3); arrows indicate extension beyond map.

Contour line, showing elevation of top or base of stratigraphic ground-water compartment, in feet (meters). Datum is mean sea level.

Hydrostratigraphic Units

Nugget SGWC
Watton Canyon SGWC
Low-permeability unit
Water well (see table A.2)

Base map from U.S. Geological Survey, Salt Lake City 30 x 60 minute quadrangle
Projection: UTM zone 12
Units: meters
Datum: 1927 North American
Spheroid: Clarke 1866

Digital cartography and GIS preparation:
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